

19970904.ba v01\_n653.bam.970904 v01\_n654.bam.970904

>From ???@??? Thu Sep 04 11:15:27 1997  
Message-Id: <199709040502.AAA01136@sco.theporch.com>  
Date: Thu, 4 Sep 1997 00:02:11 CDT  
Subject: BOATANCHORS digest 1653

BOATANCHORS Digest 1653

Topics covered in this issue include:

- 1) R390 find  
by David Medley <davemed@worldnet.att.net>
- 2) WTB Viking 2 Covers T+B  
by "Larry" <rau@wco.com>
- 3) 5100-B manual needed or copy  
by "Larry" <rau@wco.com>
- 4) Help with Ballast Tubes  
by George Humphrey <gah@koyote.com>
- 5) Re: Question re: capacitors in R-390A  
by Scott Robinson <spr@earthlink.net>
- 6) Re: Problems with the R-390A slow AGC (2 uF cap)  
by Scott Robinson <spr@earthlink.net>
- 7) Valiant parts for HQ-170 IFs  
by EdKB2NSP@aol.com
- 8) Re: Help with Ballast Tubes  
by Scott Robinson <spr@earthlink.net>

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Date: Wed, 03 Sep 1997 19:30:19 -0700  
From: David Medley <davemed@worldnet.att.net>  
To: collins@listserv.tempe.gov  
Cc: boatanchors@theporch.com  
Subject: R390 find  
Message-ID: <3.0.3.32.19970903193019.00dff858@postoffice.worldnet.att.net>

Today I drove down to Sierra Vista in SE Arizona in response to an ad on BASWAPLIST and came back with two R390 (not 390A) radios. Both appeared complete.

According to the labels on the front one was made by Motorola for the Signal Corps and the other was made by Motorola for Collins. When I got them home and opened them up I found they were indeed complete including top and bottom covers, all the tubes including the 3TF7 and the meters. When I fired them up the Signal Corps radio worked but not very well and the Collins is dead.

I had forgotten that this model was so different to the "A" model. Much higher standard of construction. Both are dirty but with no sign of

corrosion and will clean up very well.

My problem is I do not have an R390 manual. I would really appreciate some info as to where I might get one.

Sometimes you can be lucky. I have always wanted an R390.

Regards

Dave KI6QE/7

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Date: Wed, 3 Sep 1997 20:32:14 -0700

From: "Larry" <rau@wco.com>

To: "boatanchors" <boatanchors@theporch.com>

Subject: WTB Viking 2 Covers T+B

Message-ID: <199709040234.TAA03242@shell.wco.com>

My Friend Jack needs Top and Bottom covers for his Viking 2... he wants decent paint on the top cover..but not collector grade...just not peeling or rusty.

Please contact me LarryW6WUH rau@wco.com

with price.. thanks guysLar

-----  
Date: Wed, 3 Sep 1997 20:36:07 -0700

From: "Larry" <rau@wco.com>

To: "boatanchors" <boatanchors@theporch.com>

Subject: 5100-B manual needed or copy

Message-ID: <199709040238.TAA04175@shell.wco.com>

My friend jack got a B & W 5100-b transmitter, but has no info on the jumpers needed for the rear plug... nor does he have any of the other info you get in a manual..

Could any one help with a readable copy.. or an original manual ?? or just the jumpers needed to get it going for starters?

thanks, Larry rau@wco.com

-----  
Date: Wed, 03 Sep 1997 22:47:38 -0500

From: George Humphrey <gah@koyote.com>

To: boatanchors@sco.theporch.com

Subject: Help with Ballast Tubes

Message-ID: <1.5.4.32.19970904034738.00e184a8@mail.koyote.com>

BAers,

I have a Westinghouse Ballast Tube WL710Z. Can anyone explain what it does and how it is used and in what???

Thanks in advance  
George KC5WBV

-----  
Date: Wed, 3 Sep 1997 20:58:36 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: mc@shore.net  
Cc: boatanchors@theporch.com  
Subject: Re: Question re: capacitors in R-390A  
Message-ID: <v03007800b03371073aff@[153.34.139.164]>

>Anyone have any ideas on the working voltage of C-609? Does 30 VDC seem  
>reasonable?

Michael and the gang,

C609 is a cathode bypass for the first audio amplifier, and a 25V part will work just fine. I suspect the board damage is due to chemical rather than thermal stress as there is no way this cap could heat up, and the one in my 1961 Stewart-Warner R-390A had leaked and corroded things a bit.

The original was a tantalum, but a garden variety aluminum part will work perfectly. Aluminum capacitors are, for audio frequency purposes, as good as tantalums now and more reliable to boot.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

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Date: Wed, 3 Sep 1997 21:01:31 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: mc@shore.net  
Cc: boatanchors@theporch.com  
Subject: Re: Problems with the R-390A slow AGC (2 uF cap)  
Message-ID: <v03007801b03371ff7540@[153.34.139.164]>

Michael,

A 2 uF 300V mylar capacitor ain't so small even now; the original was quite small for the time. I would certainly NOT use an electrolytic in this application as the leakage current would destroy the circuit's ability to function.

2 uF mylars are available; try Mouser (maybe 2 x 1 uF in parallel) or a place that sells hi-fi speaker crossover components.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Thu, 4 Sep 1997 00:14:38 -0400 (EDT)  
From: EdKB2NSP@aol.com  
To: boatanchors@sco.theporch.com  
Subject: Valiant parts for HQ-170 IFs  
Message-ID: <970904001347\_1455741679@emout17.mail.aol.com>

In my haste to return my mail to normal levels, I lost the messages I had exchanged with someone I wanted to swap parts with ! I'm looking for T-1 & T-2 IF xfrmrs for an HQ-170 (early) . the can #'s will be 38985, 38985-1, or K 26402-1, or M 26402-2

Thanks !

Ed K.

-----

Date: Wed, 3 Sep 1997 21:09:49 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: Re: Help with Ballast Tubes  
Message-ID: <v03007803b03373b3db9e@[153.34.139.242]>

George asked:

>BAers,  
>  
>I have a Westinghouse Ballast Tube WL710Z. Can anyone explain what it does  
>and how it is used and in what???

...and Scott sez:

Ballast tubes are basically power resistors in a can. But wait-there's more! They are usually wound with iron or other wire with a large positive temperature coefficient so that they tend to keep the current through them constant with voltage changes. For example, the 3TF7 used in the R-390 and R-390A radios reduces by a factor of more than three the variation in current through it due to voltage variation, compared to a resistor. This effect is used in those radios to control the heater current through two of the critical local oscillators, so as to improve the frequency stability.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

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End of BOATANCHORS Digest 1653  
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>From ???@??? Fri Sep 05 02:55:42 1997  
Message-Id: <199709050007.TAA25483@sco.theporch.com>  
Date: Thu, 4 Sep 1997 19:07:53 CDT  
Subject: BOATANCHORS digest 1654

BOATANCHORS Digest 1654

Topics covered in this issue include:

- 1) Re: High-voltage hookup wire  
by jackiv@juno.com (John M Iverson)
- 2) Re: National HR0-60TS - Table Model Speaker Impeadence?  
by polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)
- 3) 75S1 FS, CW filt. gone  
by polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)
- 4) Collins 75A2 Transformer Wanted  
by w8xq@juno.com (JEFF D WILDER)
- 5) Re: Question re: capacitors in R-390A  
by bdhall@ghg.net (Benjamin D. Hall)
- 6) SX-28 question  
by w2ec@VNET.IBM.COM
- 7) Gaithersburg hamfest  
by philip mccooy <dgnova@erols.com>
- 8) Boatanchors meeting at Gaithersburg fest  
by oranges@FRB.GOV
- 9) RE: Apache' surfaces after decades being lost.  
by Ed Sieb <esieb@gmsiworld.com>
- 10) Question re: capacitors in R-390A  
by Roy Morgan <morgan@speckle.ncsl.nist.gov>
- 11) BA Haunts in Hong Kong?  
by "P. J. Rovero" <provero@connix.com>
- 12) R-390 folk didn't take bait  
by MNHopkins@aol.com
- 13) British Heathkits  
by don merz <71333.144@compuserve.com>
- 14) Re: R-390 folk didn't take bait  
by bill@skeeter.frco.com (William Hawkins)
- 15) Audio Transformer Wanted  
by owens@stout.atd.ucar.edu (Chip Owens)
- 16) Gear FS  
by BEN NOCK <G4BXD@compuserve.com>
- 17) Re: British Heathkits  
by Scott Robinson <spr@earthlink.net>
- 18) OLDEST...  
by jkh@lexis-nexis.com (John Heck)
- 19) Re: OLDEST...  
by Dick Flanagan <dick@merlin.libelle.com>
- 20) How to figure 4CX350F bias?  
by Billy Wiggins <bwiggg@worldnet.att.net>
- 21) Need Power Transformer  
by "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
- 22) How to figure 4CX350F bias?  
by "Garey Barrell, K40AH" <K40AH@compuserve.com>
- 23) Re: British Heathkits  
by wallace@world.std.com (Andy Wallace)
- 24) AC Power Boxes

by don merz <71333.144@compuserve.com>  
25) RE: OLDEST...  
by Ed Sieb <esieb@gmsiworld.com>  
26) Re:R-390 folk didn't take bait  
by Richard Post <POST@ouvaxa.cats.ohiou.edu>  
27) Re: Help with Ballast Tubes  
by Morris Odell <morriso@vifp.monash.edu.au>  
28) attn: Dave Metz  
by n5off@w5ddl.aara.org  
29) Tech America Parts Catalog  
by n5off@w5ddl.aara.org  
30) Odd Military Parts FS  
by "Jan Skirrow" <dma@islandnet.com>  
31) RE: Oldest Stuff  
by Mike Sewell <K0CRX@compuserve.com>  
32) Re: R-390 folk didn't take bait  
by Ken Gordon <keng@uidaho.edu>  
33) RE: 1,000 lb contender  
by "Tom Bridgers" <Tarheel6@classic.msn.com>  
34) WTB Hammarlund receiver(s)  
by Steven@ix.netcom.com

-----  
Date: Thu, 4 Sep 1997 02:24:29 CDT  
From: jackiv@juno.com (John M Iverson)  
To: morriso@vifp.monash.edu.au  
Cc: boatanchors@theporch.com  
Subject: Re: High-voltage hookup wire  
Message-ID: <19970904.023050.8630.1.jackiv@juno.com>

On Thu, 04 Sep 1997 13:52:57 +1200 Morris Odell  
<morriso@vifp.monash.edu.au> writes:  
>Hi all,  
>  
>John M Iverson wrote:  
>>  
>> ordinary test lead wire will work quite well, it tis rated at 5 kv.  
>#18  
>> or so will handle all the current that is available.  
>another note on hookup wire-- the RG-11 OR RG-8 less braid is an  
excellent h-v hookup wire . I did breakdown test of this insulation some  
years ago and i believe that it went at about 50 kv. ( not foam or RG-8x  
tho) jackiv@juno.com  
>I suspect that "ordinary" hookup wire is probably OK and I remember we  
>had a thread on this couple of years ago. I recently gutted a piece of  
>commercial gear that had a Hv supply of + and - 1500 volts for a CRT.

>The +1500 was heavy rubber cable terminating in an ultor type  
>connection. The -1500 that went to the CRT cathode was ordinary hookup  
>wire in a cable loom with lots of other low voltage wiring!  
>  
>When I built my linear years ago I used 75 ohm coax with the braid  
>removed and the outer sheath slipped back over the inner conductor for  
>the 2kv plate supply - I'm still here :-)  
>  
>73 de Morris VK3DOC  
>  
>--  
>

-----  
Date: Thu, 4 Sep 1997 05:23:54 -0400  
From: polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)  
To: DAVEK2DP@aol.com, boatanchors@theporch.com  
Subject: Re: National HRO-60TS - Table Model Speaker Impeadence?  
Message-ID: <199709040923.FAA11051@aa4rm>

It's 500 ohm if it's got a transformer in the cabinet... unless it's  
an ultra-rare Stephens-type 500 ohm voice-coil spkr. If there's doubt  
put 6.3VAC in series with 500 ohms across the input.

If the AC across the reisistor is ~3.1 V then there's 500 ohms "Impeadence"  
in the sink (speaker + possible xfrmr). If there's 6.3V then you've got the  
std issue 8 ohm spkr. bubbsie

Marty

-----  
Date: Thu, 4 Sep 1997 05:31:15 -0400  
From: polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)  
To: boatanchors@theporch.com  
Subject: 75S1 FS, CW filt. gone  
Message-ID: <199709040931.FAA11061@aa4rm>

I've a very clean 75S1 w 3 kc filter (+ straight thru 'AM') for \$290. It's got  
the "FRC 93 MFP" treatment so it was probably a 'Nam vet. Works perfectly.

Hate to report the .5 kc filter 'formerly included' went for cash - more than  
half this RX price.

You ship, money back guarantee.



Tks all correspondence to date.

Marty

-----  
Date: Thu, 04 Sep 1997 07:10:53 EDT  
From: w8xq@juno.com (JEFF D WILDER)  
To: boatanchors@theporch.com, COLLINS@LISTSERV.TEMPE.GOV  
Subject: Collins 75A2 Transformer Wanted  
Message-ID: <19970904.071000.5255.7.W8XQ@juno.com>

Hello People  
I need a power transformer for my 75A2. Please reply if anyone can help. Thanks

" Forever AM "  
Jeff D Wilder ( W8XQ )  
Email : w8xq@juno.com  
Phone: (616) 381-4133

-----  
Date: Thu, 04 Sep 1997 06:33:20 -0500  
From: bdhall@ghg.net (Benjamin D. Hall)  
To: mc@shore.net  
Cc: BoatAnchors@SCO.ThePorch.Com  
Subject: Re: Question re: capacitors in R-390A  
Message-ID: <3.0.32.19970904062826.006e0b90@mailman.ghgcorp.com>

>that one of the small capacitors on the board on the underside of the audio  
>deck, C-609, had become quite hot at one point that it burned the board  
>material. A quick look at the schematic showed this to be an 8 uF  
electrolytic  
>but I cannot easily determine its working voltage.

Ah, good ole C-609. I've replaced that cap in my EAC audio deck, and in the Stewart Warner deck I have, there is already a replacement there and it shows the stains of this cap failing. Seems that they were originally tantalum caps, which aren't the most reliable caps I guess. I asked this same question about 8 months ago, but darn it, I cannot find the replies!

Anyways, if I remember correctly - the C-609 is in cathode capacitor bypass service, which only requires it to stand about 25 volts if I remember correctly. That and I don't think tantalums were rated higher than 50 volts now-a-days leads me to beleive that over 25 volts or so is a good replacement rating.

I was going to look at my deck and see what I used, but wouldn't you know, both are in sets that are rack mounted!?!?! I seem to recall using 35 or 50 volt replacement...

73,  
Ben  
---

Benjamin D. Hall, KD5BYB (yes, the FCC finally issued my call!)  
Engine and radio collector / operator extraordinaire.  
Located in Houston, Texas, United States of America.  
e-mail: BDHall@ghg.net web: <http://www.ghgcorp.com/bdhall>

-----  
Date: Thu, 4 Sep 97 08:28:45 EDT  
From: w2ec@VNET.IBM.COM  
To: boatanchors@sco.theporch.com  
Subject: SX-28 question  
Message-ID: <199709041229.HAA09964@sco.theporch.com>

I'm in the process of trying to bring an SX-28A back to life. In working thru the circuit, I find that the cathode bypass resistor for the P-P 6V6's has been changed from the factory manual spec of 220 ohms at 2 watts to a 350 ohm at 20 watts. I looked at the SX-28 I also have (next to be restored after the SX-28A is finished) and find that the resistor here has also been changed, still 220 ohms but 10 watts. I have an SX-28 and an SX-28A manual and both indicate 220 ohms at 2 watts. Is there anything that I should know about the audio amp circuit to suggest why both radios have been modified to take a much higher rated wattage resistor than what was originally called out?

73, Ray W2EC w2ec@vnet.ibm.com  
-----

Date: Thu, 04 Sep 97 09:06:02 -0700  
From: philip mccoy <dgnova@erols.com>  
To: boatanchors@sco.theporch.com  
Subject: Gaithersburg hamfest  
Message-ID: <199709041311.JAA00671@smtp2.erols.com>

According to the page they put out, it will be held on  
September 7 1997.  
requests go to Mary Morris N4TCI@erols.com

gates open at 6.00 AM

Philip McCoy dgnova@erols.com

-----  
Date: Thu, 4 Sep 1997 09:15:59 -0400  
From: oranges@FRB.GOV  
To: boatanchors@sco.theporch.com  
Subject: Boatanchors meeting at Gaithersburg fest  
Message-ID: <40eb5130@cclink.frb.gov>

Hello Ba'ers

The Boatanchors meeting at the Gaithersburg Hamfest  
will be at 10:00 am at food building next to the main building.

Thanks,

Fred Bohner Arlington,VA.

Email address is oranges@frb.gov  
MESSAGE FOR PERSONAL USE NOT OFFICIAL USE

-----  
Date: Thu, 4 Sep 1997 10:34:36 -0400  
From: Ed Sieb <esieb@gmsiworld.com>  
To: "'BoatAnchors'" <boatanchors@sco.theporch.com>,  
      "'kim herron'"  
Subject: RE: Apache' surfaces after decades being lost.  
Message-ID: <01BCB91E.24F49F20@dstephen.gmsiworld.com>

Of course you realize that un-built Heathkits are worth more in their =  
original state than built up. However, as it's no longer in it's =  
original condition, it seems a likely candidate for building. You =  
shouldn't have any problems locating an original green cabinet with =  
flip-up lid.=20

Boy, imagine! Building a fifties era Heathkit from scratch again! Wow!

Hmm.... what about an on-line raffle or contest with the "kit" going to =  
the winner? Or an off-line auction, or whatever is appropriate.

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)

~~~~~  
Ed Sieb, VA3ES esieb@gmsiworld.com  
P. O. Box 8377, Ottawa Terminal, Ottawa, Ontario, K1G 3H8  
613-738-8924 (H) 613-599-5161 (W)=09

AMI 529 Canadian Division Director, QCWA - AWA Member  
Net Manager - Canadian Boat Anchor Net (3745 Kcs)

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Date: Thu, 04 Sep 1997 10:59:31 -0400  
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>  
To: Michael Crestohl <mc@shore.net>, boatanchors@theporch.com,  
collins@listserv.tempe.gov  
Subject: Question re: capacitors in R-390A  
Message-ID: <3.0.32.19970904105929.00c5f5ac@speckle.ncsl.nist.gov>

>From: Michael Crestohl <mc@shore.net>

>

> ... one of the small capacitors on the board on the underside of the audio  
>deck, C-609, ... 8 uF electrolytic

On my audio decks this is a tantalum electrolytic, and has a voltage rating of 30 volts. The circuit operating voltage is around 2.5 volts, so the 30 volt rating is not needed. This capacitor is the cathode bypass, and will likely never experience high turn-on voltages.

I suggest you replace it with a nice, new electrolytic of whatever voltage you can find above 6 volts. Increased capacitance may "improve" the bass response of the audio section, but I have not done any measurements to report.

If you have removed the .01 coupling caps from the other places in the audio deck, you may want to try parellelling the new electrolytic with one of these to see if there is any improvement in the sound. If you do this, please report what you hear!

Keep em Glowing!  
Roy, K1LKY since 1959

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

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Date: Thu, 4 Sep 1997 11:24:03 -0400 (EDT)  
From: "P. J. Rovero" <provero@connix.com>  
To: boatanchors@theporch.com  
Subject: BA Haunts in Hong Kong?  
Message-ID: <Pine.BSI.3.95.970904112049.20064A-100000@comet.connix.com>

Just found out that I'm leaving early tomorrow morning for  
3 work-filled weeks in Hong Kong.....

Anybody know any BA haunts out that way. A coworker found  
a shipbreaker with extensive maritime comms stuff, but  
no bargains....

P. J. "Josh" Rovero	email: provero@connix.com
Oceanographer	work: rovero@sonalysts.com
Meteorologist	radio: KK1D
Curmudgeon at Large	web: <a href="http://www.connix.com/~provero/">http://www.connix.com/~provero/</a>

-----  
Date: Thu, 4 Sep 1997 11:29:43 -0400 (EDT)  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Subject: R-390 folk didn't take bait  
Message-ID: <970904112746\_1750146746@emout15.mail.aol.com>

I salute you.

I posted an epistle critical of the Collins R-390 and ducked my head, as  
several told me to do. Nothing happened. I received 15 responses, all  
friendly and balanced. Even heard from the editor of Collins Monthly  
Journal.

I cannot explain it. Over on QRP-L, where the few SS homebrewers tend to  
congregate, I can start a computer-clogging slugfest that will last for days  
without half the ignition I put into the '390 piece.

It is worth the bandwidth to complement you (you "all " here in Texas).

73 de ab5l, who can still start a fire over QRP and ERP on QRP-L  
MNHopkins@AOL.com

-----  
Date: Thu, 4 Sep 1997 11:39:20 -0400

From: don merz <71333.144@compuserve.com>  
To: boatanchors@theporch.com  
Subject: British Heathkits  
Message-ID: <199709041141\_MC2-1F26-85F2@compuserve.com>

I haven't seen Chuck Penson's Heathkit book but I was wondering if he covers the British Heathkits. These have somewhat different paint styles and knob styles than their US counterparts. I'm not sure how the electronics compare.

Does anyone have any of the British Heathkits?

Just curious...

73, Don

-----  
Date: Thu, 4 Sep 1997 11:28:16 -0500  
From: bill@skeeter.frco.com (William Hawkins)  
To: MNHopkins@aol.com, boatanchors@theporch.com  
Subject: Re: R-390 folk didn't take bait  
Message-ID: <9709041628.AA23069@skeeter.bvc.frco.com>

>I cannot explain it. Over on QRP-L, where the few SS homebrewers tend to  
>congregate, I can start a computer-clogging slugfest that will last for days  
>without half the ignition I put into the '390 piece.

Appreciate the complement, but I think it should go to Jack Hill. I recognized flame bait when I saw it, but didn't mention it in my reply because I just knew that no one would do that on Jack's list. And I shouldn't be talking about the list on the list, so back to vacuum tube radio gear and occasional mentions of the pinnacle of vacuum tube receiver technology, the R-390 (not A).

Regards,  
Bill Hawkins

-----  
Date: Thu, 4 Sep 1997 10:37:06 -0600 (MDT)  
From: owens@stout.atd.ucar.edu (Chip Owens)  
To: boatanchors@theporch.com  
Subject: Audio Transformer Wanted  
Message-ID: <199709041637.KAA23427@atd.atd.ucar.EDU>

Hi Gang,

Still looking for an audio transformer for the BC-610.  
This is the driver transformer for the 100TH's in the  
modulator section. Have modulation transformer from an  
ART-13 for trade, or will pay greenbacks.

Also, still trying to find a UTC LS-47X audio transformer.

Thanks!

Chip OWens, NW00  
Boulder, Colorado  
owens@stout.atd.ucar.edu

-----  
Date: Thu, 4 Sep 1997 13:06:15 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of l <boatanchors@sco.theporch.com>  
Subject: Gear FS  
Message-ID: <199709041306\_MC2-1F28-77D6@compuserve.com>

FOR SALE:

A510 rx, with power lead but no acc's.. 40.00UKP  
A510 tx, with power lead but no acc's.. 50.00UKP

postage UK, 6.40UKP  
postage to USA, 32UKP for the two

Ben G4BXD.

-----  
Date: Thu, 04 Sep 1997 10:39:20 -0700  
From: Scott Robinson <spr@earthlink.net>  
To: 71333.144@compuserve.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: British Heathkits  
Message-ID: <340EF248.16670A77@earthlink.net>

don merz wrote:

>

> Does anyone have any of the British Heathkits?

>

Well, yes, I do: a hollow-state regulated power supply. It looks  
similar to the American one but is very different inside: chokes and

oil-filled filter capacitors, British tubes, extremely high quality throughout. It must have cost five times the price of the US version and weighs a ton. It's almost solid state...all iron and copper! And of course it has the usual British input voltage selector: 210, 230, or 250VAC.

--

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----

Date: Thu, 4 Sep 97 14:55:44 EDT  
From: jkh@lexis-nexis.com (John Heck)  
To: boatanchors@theporch.com  
Subject: OLDEST...  
Message-ID: <9709041855.AA01876@beans.lexis-nexis.com>

Folks,  
I vote for the \*binding post\*. Found on gear well back into the 1800's and still found on the back of many a speaker rollin' out factory doors today, as well as other gear, and almost totally unchanged. Another good candidate would be the Fahenstock clip(late teens).  
Regards,  
John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(937)865-7036(work)  
jkh@lexis-nexis.com

-----

Date: Thu, 4 Sep 1997 12:11:07 -0700  
From: Dick Flanagan <dick@merlin.libelle.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OLDEST...  
Message-ID: <v03110703b034b6ddd598@[207.33.105.223]>

>I vote for the \*binding post\*. Found on gear well back into the 1800's and  
>still found  
>on the back of many a speaker rollin' out factory doors today, as well as  
>other gear,  
>and almost totally unchanged. Another good candidate would be the



>Fahenstock clip(late  
>teens).

I think several recent posts have crossed the line from product to component. At some point someone will nominate the 6-32 screw or the #4 lockwasher and then where do we go?

All of the submissions have been interesting, but I think we may have lost sight of the original poster's intent.

73, Dick

--

Dick Flanagan W6OLD CFII Minden, Nevada (South of Reno)  
Visit <http://www.delphi.com/electronic/>

-----  
Date: Thu, 4 Sep 1997 19:21:42 +0000  
From: Billy Wiggins <bwiggg@worldnet.att.net>  
To: boatanchors@sco.theporch.com  
Subject: How to figure 4CX350F bias?  
Message-ID: <19970904192141.AAA708@BWIGG>

Anybody know or know how to calculate the proper idling current for 4CX350F's in class AB1?. I can't find the spec in the GRC-106 manuals and I'm down on my tube theory(sorry).

73's  
Billy

-----  
Date: Thu, 4 Sep 1997 16:38:54 -0400  
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>  
To: "LIST, POST BOATANCHORS" <BOATANCHORS@theporch.com>  
Subject: Need Power Transformer  
Message-ID: <199709041639\_MC2-1F2B-9103@compuserve.com>

Hi Everyone,

I am in need of a power tranformer for a Majestic receiver. The chassis is  
s

a Model 90. =

Thanks very much and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
AMI #9 - Southeastern Division Director  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~ =  
Keeper of the Hallicrafters SX-88 Owners List

-----  
Date: Thu, 4 Sep 1997 16:38:48 -0400  
From: "Garey Barrell, K40AH" <K40AH@compuserve.com>  
To: "INTERNET:bwiggg@worldnet.att.net" <bwiggg@worldnet.att.net>  
Cc: BOATANCHORS <BOATANCHORS@sco.theporch.com>  
Subject: How to figure 4CX350F bias?  
Message-ID: <199709041638\_MC2-1F31-C06F@compuserve.com>

Hi Billy.

>> Anybody know or know how to calculate the proper =  
idling current for 4CX350F's in class AB1?. I can't find the =  
spec in the GRC-106 manuals and I'm down on my tube =  
theory(sorry). <<

The general rule is approximately 0.66 of rated plate  
dissipation. The exact point is a compromise between  
lowest IM distortion and safe plate dissipation.

4CX350F in AB1 Per EIMAC:

VDC plate 2200 v  
VDC screen 300 v  
VDC grid -20 v  
IDC idling 100 mA  
IDC single tone 215 mA  
Two-tone 167 mA

PEP output 318 watts  
3rd order -29 dB  
5th order -30 dB  
Plate load 6000 ohms

73, Garey - K40AH  
75025.73@compuserve.com  
Atlanta

-----  
Date: Thu, 04 Sep 1997 21:00:06 GMT  
From: wallace@world.std.com (Andy Wallace)  
To: 71333.144@compuserve.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: British Heathkits  
Message-ID: <34102101.382442@world.std.com>

Hello, don merz <71333.144@compuserve.com>!

>Does anyone have any of the British Heathkits?

Yes! The plate meters are on the right, and the tuning dials are on the left on their Druid transmitter (like our Apache).

<wink>

--Andy  
wallace@world.std.com  
---  
Curly: Oh....short wave?  
Moe: No! Poimanent.  
<BONK!>  
(THEY STOOGIE TO CONGA, 1943)

-----  
Date: Thu, 4 Sep 1997 17:25:12 -0400  
From: don merz <71333.144@compuserve.com>  
To: boatanchors@theporch.com  
Subject: AC Power Boxes  
Message-ID: <199709041728\_MC2-1F34-63EA@compuserve.com>

Recently there was an article in one of the magazines about an AC power box that can be used to reduce, filter and monitor line power to our beloved BAs. We have probably all done some of this--building boxes to house variacs, isolation transformers, etc., etc., to power our BA's. I have four

homebrew power boxes in my shack. All contain a variac, meter and EMI/RFI filter and on/off switch with outlets or outlet depending on size.

Probably the biggest pain of building these things is the mundane stuff--line cord, switch, outlets, fusing, etc. But I have found a quick shortcut--use an old standby uninterruptible power supply box. These things go dead when the batteries crap out and all of their value is in the batteries. So you often see the dead ones at flea markets for \$5 or scrap value. Grab one, rip out the batteries and boards and voila--a perfect housing for your power box with line cord, fusing or circuit breakers, switching and outlets already neatly installed and wired with heavy-gauge safety wire. Just throw in your variac, meter and filter and away you go.

Very professional looking too! Try it. You'll like it.

73, Don

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Date: Thu, 4 Sep 1997 17:33:56 -0400  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: OLDEST...  
Message-ID: <01BCB958.BFBC98C0@dstephen.gmsiworld.com>

>I think several recent posts have crossed the line from product to  
>component. At some point someone will nominate the 6-32 screw or the #4  
>lockwasher and then where do we go?

Hmmphfff! Spoil-sport!

And I was just about to nominate solid copper wire! :>)

Ed (the 'ol boat-anchor hisself)  
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-----  
Date: Thu, 04 Sep 1997 15:20:28 -0400 (EDT)  
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>  
To: boatanchors@theporch.com  
Subject: Re:R-390 folk didn't take bait  
Message-ID: <A6437ZWZWPQBYG\*/R=OUVAXA/R=A1/U=POST/@MHS>

>I posted an epistle critical of the Collins R-390 and ducked my head, as  
>several told me to do. Nothing happened.

Most of us are too busy enjoying these great artifacts of history to worry about a negative comment. My SX-28 does seem to have better audio, certainly more oomph in the audio section, but my R-390 (non A) has fine audio capabilities at the 16KHz bandwidth setting. Just add a decent audio amp and speaker to the line out and enjoy.

The Museum of Radio and Technology had a contest category for radio with the most tubes at their Summer Heat a little over a month ago. Their webmaster (me) entered his R-390 and to no one's surprise took the blue ribbon for the category. (Was there a radio receiver with more tubes than the R-390?) To make it interesting for the participants, the R-390 was set to the local 800 KHz oldies station and gently purred out music throughout the contest viewing time. Also on display were the Collins manual and a copy of the TM for review (and to provide evidence for the tube count without having to take it apart!) A couple of pictures of the R-390 in use were also displayed. (as used in the Canadian military from a web page source and the photo from QST a couple of years ago showing the R-390's on a desk in Vietnam in the former Presidential Palace communications room.) Anyone know of other photos showing stacks of R-390's in the field?

Pictures of some of the contest winners (including the R-390) are at  
<http://ouvaxa.cats.ohiou.edu/~post/MRT/sumr97mt.htm>

Home page for the Museum is  
<http://www.library.ohiou.edu/MuseumR&T/museum.htm>

73 de Rich KB8TAD  
BA Pix webpage  
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>

-----  
Date: Fri, 05 Sep 1997 10:10:51 +1200  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: boatanchors@sco.theporch.com  
Subject: Re: Help with Ballast Tubes  
Message-ID: <340F31EB.1F5F@vifp.monash.edu.au>

> George asked:

>

> >I have a Westinghouse Ballast Tube WL710Z. Can anyone explain what it does

> ...and Scott sez:  
>  
> Ballast tubes are basically power resistors in a can. But wait-there's  
> more! They are usually wound with iron or other wire with a large positive  
> temperature coefficient so that they tend to keep the current through them  
> constant with voltage changes.

And even more!...

They are in an envelope because there's often a cocktail of gas(es) in there to control cooling effects on the filament. That way the temperature (and resistance) variation can be tailored for the particular control characteristics desired.

73 de Morris VK3D0C

-----  
Date: Thu, 04 Sep 1997 22:17:53 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: attn: Dave Metz  
Message-ID: <77936@w5ddl.aara.org>

Dave,

Please email me.

Thanks  
Tom

-----  
Date: Thu, 04 Sep 1997 22:19:46 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: Tech America Parts Catalog  
Message-ID: <77938@w5ddl.aara.org>

Just rec'd a large parts catalog today from a company called Tech America. It carries the coded address I give to Rat Shack, and has many RS products.

Now the good news . . .it has lots of BA usable parts, much more than RS, and the prices seem reasonable. Also has some small kits, and ham gear as well.

phone is 800-877-0072

Cleary a Tandy company. Catalog is twice the size of RS catalog.

73 Tom

-----  
Date: Thu, 4 Sep 1997 15:24:53 -0700  
From: "Jan Skirrow" <dma@islandnet.com>  
To: "Boatanchors" <boatanchors@theporch.com>  
Subject: Odd Military Parts FS  
Message-ID: <m0x6kLQ-0006bAC@mail>

I have two items that might be of use to someone:

1. Qty 2 - 0.5mfd, 3000 volt paper capacitor. +14%, -6% tolerance. Manufactured by Western Electric. Both are in original mil wrapping. Looks like heavy wax covered by paper outer wrap. I can't be sure without unwrapping, and someone may value them this way :<).

2. Qty 2 - Avro Aircraft "Junction Box". These are a small (1"x1"x2") black enameled boxes, with an integral mounting flange and with a terminal strip inside the screwed on cover. Three holes for cables. Cover has British Air Ministry marks (A M with a crown between them) and a part number 5C/996. Dated March 65. These are new, in their mil wrapping, although I've unwrapped them to see what was inside!

If anyone has a use (or just a want) for these, e-mail me.

Jan Skirrow, VE7DJX

-----  
Date: Thu, 4 Sep 1997 19:22:17 -0400  
From: Mike Sewell <K0CRX@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: RE: Oldest Stuff  
Message-ID: <199709041922\_MC2-1F31-CCA3@compuserve.com>

I'll cast my vote for the vacuum found in vaccum devices as the oldest, longest running component in our colorful and interesting history. Wonder if anybody ever patented THAT baby!

73, Mike

K 0 Collects Radios eXclusively/WPE0CFK





to buy ... so I carried it back  
home. Can't blame him either; it  
looked mighty grim!

1 ea 4hy choke 10 lbs ... Going to use it in a Taylor (or Heising)  
modulator. Sure... someday.

1 ea 28vdc Xfmr 5 lbs ... From Marty Reynolds. Charged me  
\$1.00

or was it \$2.

1 ea 28/12 vdc PS 10 lbs.. From ... dunno?

1 ea 833A 1 lbs ... From Al ? from Ga. Going to make a  
a lamp outta this one. \$5.

591 lbs! (assuming you give me credit for the 150 lbs  
I foisted on Nick and John...)

Now that I look at the above ... it's embarrassing. I think I'm gonna have to  
go to detox or something. I'm seriously addicted to BA gear.

It was nice to see John, Nick, Richard, Bob, John (from Rocky Mt),  
Haney, Larry, Dave, and many others. I introduced my neighbor, Bob Waters, to  
many of you. He had a great time, but didn't buy any heavy duty BA gear! But  
he did purchase a bunch of packet stuff...

73's

-tom

-----  
Date: Thu, 4 Sep 1997 19:06:18 -0500 (CDT)  
From: Steven@ix.netcom.com  
To: boatanchors@theporch.com  
Subject: WTB Hammarlund receiver(s)  
Message-ID: <1997941952956334@ix.netcom.com>

Hi Boatanchor people

Still looking for reasonable local purchase of

Hammarlund SP200SX, HQ120X, HQ150, HQ160

also Hammarlund knobs for HQ129X.

Please let me know what you may have!

73

Steve K2PTS  
Schaumburg, Illinois  
7050Kc +/- QRM

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End of BOATANCHORS Digest 1654  
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